Title (en)

CONTROLLER, SYSTEM AND METHOD FOR VEHICLE CONTROL

Title (de)

STEUERGERÄT, SYSTEM UND VERFAHREN ZUR FAHRZEUGSTEUERUNG

Title (fr)

DISPOSITIF DE COMMANDE, SYSTÈME ET PROCÉDÉ DE COMMANDE DE VÉHICULE

Publication

EP 3803528 A1 20210414 (EN)

Application

EP 19847526 A 20190610

Priority

- US 201862682537 P 20180608
- IB 2019054830 W 20190610

Abstract (en)

[origin: US2019375441A1] A controller for a vehicle includes a processor configured to repeatedly perform operations, at each control iteration among a plurality of control iterations along a path of the vehicle from a start location to a target location. The operations include, based on a current state of the vehicle, generating a travel plan for a remainder of the path from a current position of the vehicle to the target location, by solving an optimization problem. The operations further include controlling a motoring and braking system of the vehicle to execute the generated travel plan until a next control iteration among the plurality of control iterations.

IPC 8 full level

G05D 1/02 (2020.01); **B60W 50/00** (2006.01); **B61L 23/00** (2006.01); **B61L 23/02** (2006.01); **B61L 23/06** (2006.01)

CPC (source: EP KR US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2019375441 A1 20191212; CA 3101582 A1 20200213; CA 3101582 C 20231003; EP 3803528 A1 20210414; EP 3803528 A4 20220323; KR 102528317 B1 20230503; KR 20210013210 A 20210203; SG 11202011623U A 20201230; WO 2020030992 A1 20200213

DOCDB simple family (application)

US 201916436440 A 20190610; CA 3101582 A 20190610; EP 19847526 A 20190610; IB 2019054830 W 20190610; KR 20207037413 A 20190610; SG 11202011623U A 20190610